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ABSTRACT

Presented is a 1981 revision of a pamphlet first published by the National Council of Teachers of Mathematics (NCTM) in 1959. The primary purpose of this pamphlet is to provide a comprehensive listing of mathematics tests available that may assist educators in meeting their evaluation needs. Tests covering mathematics from primary school through the first two years of college are included. Material is subdivided in the following categories: Arithmetic; Junior High School; Batteries and General Listings, K-4; High School, General; Algebra; Geometry; Trigonometry; and College-related. Information for each test listed is given in the following order: Title; Authorship; Grade Levels and Forms; Availability of Norms; Publisher/Distributor; Reference to Additional Information; Original Date of Publication; and Date of latest Revision. The document concludes with a Directory of Publishers/Distributors and a list of references. (MF)

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Mathematics Tests Available in the United States and Canada

THIS PAMPHLET is a revision of a publication first published by the National Council of Teachers of Mathematics in 1959 and revised in 1976. Several of the tests listed in the 1976 pamphlet are no longer available.

The publication has been expanded to include mathematics tests available in Canada. The Canadian listings are interwoven with the United States listings. Several of the Canadian listings are identical to, or adaptations of, tests published in the United States. The publishers or Canadian distributors of such tests are given.

The primary purpose of this pamphlet is to provide a comprehensive listing of mathematics tests available in the United States and Canada that may assist educators in meeting their evaluation needs. The types of tests included are listed in the Contents. Tests covering mathematics from the primary school through the first two years of college are included. Tests designed for college placement are included in the "College-related" category. This category includes a number of listings that would be appropriate for program evaluation or guidance at the high school or junior high school levels. Although the current listing is intended to be complete, new tests are always being developed. The "Directory of Publishers" on page 29 should be useful in getting information on newly developed tests. Both United States and Canadian publishers are listed.

The listing of a test does not constitute an endorsement by the National Council of Teachers of Mathematics or by ERIC. Teachers and curriculum specialists who are interested in a particular test should request a sample copy from the publisher and examine it carefully for relevance to the particular use intended.

Information on the selection and use of tests is available in the references cited in the final section of this pamphlet. Included in these are the eight volumes of the Mental Measurements Yearbook series, constituting the major reference work on tests, with comprehensive lists and reviews. When a reference is made to this source in the test listing, it appears immediately below the publisher's name with a roman numeral identifying the entry (not the page). Under the APELL Test, for example, "VII, 740" is given after the name of the publisher. This means that a review of, or reference to, this test is found in the seventh yearbook under entry 740.

Information for each test is given in the following order:

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Title
Authorship
Grade levels and forms
Availability of norms
Publisher/Distributor
Reference to additional information
Original date of publication
Date of latest revision

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TESTS

Arithmetic

American School Achievement Tests: Part 2, Arithmetic, Revised Edition

Willis E. Pratt, George A. W. Stauffer, Jr., and
Joan R. Yanuzzi
Grades 2-3, 4-6, 7-9
No norms for average score
Bobbs-Merrill Company
(Previous edition 1955-58 still available)
VIII, 302
1975
None

The APELL test (Premath; Available in Spanish)

Eleonor V. Cochran and James L. Shannon
Ages 3-7
Criterion-referenced and norm-referenced
Edcodyne
VII, 740
1969
1972

Arithmetic (Fundamentals and Reasoning)

Robert K. Speer and Samuel Smith
Grades 3-6; Forms A and B
Norms
Psychometric Affiliates
Not listed
1939
1958

Arithmetic (Fundamentals and Reasoning)

Robert K. Speer and Samuel Smith
Grades 6-8; Forms A and B
Norms
Psychometric Affiliates
VI, 613
1938
1960

Basic Arithmetic Skill Evaluation

Lola J. May and Vernon R. Hood
Grades 1-9
Criterion referenced
Media Research Associates
Not given
1972
1978

Basic Educational Skills Inventory: Math

Gary Adamson, Morris Shrago, and Glen Van Etten
Kindergarten-6; One form, Two levels
No norms
B.L. Winch & Associates
VIII, 253
1972-73
None

Basic Skills in Arithmetic

William L. Wrinkle, Juanita Saunders, and Elizabeth H. Kendel

Grades 6-12; Forms A and B

Norms

Science Research Associates, Inc.

III, 335

1945

None

Bobbs-Merrill Arithmetic Achievement Tests

William E. Kline and Harry J. Baker

Grades 1-8; Forms A and B

Norms

Bobbs-Merrill Company

VI, 615; VII, 513

1963

None

Buswell-John Diagnostic Test for the Fundamental Processes in Arithmetic

G.T. Buswell and Lenore John

Grades 2-8; detailed test, individually administered

No norms

Bobbs-Merrill Company

II, 1456; IV, 413

1925

None

Career Planning Program

American College Testing Program Staff

Grades 8-11

Norms

Riverside Publishing Company

Not listed

1974

None

CIRCUS A and B: How Much and How Many

Not given

Nursery school-K.5 (A); K.5-1.5 (B); 1 form

Norms

Educational Testing Service; Published by Addison-Wesley Publishing Co.

VIII, 7A

1972, 1974, 1976

None

CIRCUS C and D: Mathematics

Not given

Grades 1.5-2.5 (C); 2.5-3.5 (D); Forms X and Y

Norms

Educational Testing Service; Published by Addison-Wesley Publishing Co.

Not listed

1979

None

Concept Assessment Kit—Conservation

Marcel L. Goldschimid and Peter M. Bentler

Ages 4-8

Norms

Educational and Industrial Testing Service
Reviewed in *Journal of Educational Measurement* 6 (Winter
1969):263-69 and in *Professional Psychology* 1 (Fall
1970):491-93.

1969

None

Cooperative Primary Tests: Mathematics

Not given

Grades 1.5-2.5, Forms 12A and 12B; grades 2.5-3, Forms
23A and 23B

Norms

Educational Testing Service; Published by Addison-Wesley
Publishing Co.

VIII, 13, 262

1965

None

Cooperative Mathematics Tests: Arithmetic

Not given

Grades 7-9; Forms A, B, and C

Norms

Educational Testing Service; Published by Addison-Wesley
Publishing Co.

VI, 607; VII, 515

1962, 1963

None

Diagnos's: An Instructional Aid, Mathematics

Developed by SRA

Grades 1-4, Level A; grades 3-6, Level B

Criterion-referenced, diagnostic and optional survey tests
Science Research Associates, Inc.

No norms

VIII, 263

Level A, 1973

Level B, 1972

Diagnostic Mathematics Inventory

John Gessel

Grades 1.5-8.5, Diagnostic forms in 7 levels;

Interim evaluation tests, 6 levels

Criterion-referenced tests

No norms

California Test Bureau/McGraw-Hill

VIII, 264

1971

1980

Diagnostic Tests and Self-Helps in Arithmetic

Leo J. Brueckner

Grades 3-12 (twenty-three tests for screening basic facts,
whole numbers, fractions, decimals, percent, measure-
ment), and adult

No norms

California Test Bureau/McGraw-Hill

V, 472

1955

None

Dominion Survey Test of Arithmetic Fundamentals

Not specified

Grades 5-8, Forms A and B

Norms

Guidance Centre, Toronto, Canada

V, 488

1958

None

Emporia Primary Arithmetic Test

Patricia Pease and Merritt W. Sanders

Grade 1, Forms 1A and 1B, first semester; Forms IIA and IIB,
second semester

Norms

Emporia State University

VII, 519

1964

None

Emporia Arithmetic Tests, Elementary

Patricia Pease and Merritt W. Sanders

Grades 2-3, Forms IA and IB, first semester; Forms IIA and IIB,
second semester

Norms

Emporia State University

VII, 519

1964

None

Emporia Arithmetic Tests, Intermediate

Ruth Otterstrom and Merritt W. Sanders

Grades 4-6, Forms IA and IB, first semester; Forms IIA and IIB,
second semester

Norms

Emporia State University

VII, 519

1964

None

ERB Modern Arithmetic Test

Frederic Bonan et al.

Grades 5-6; Form B

No norms

Educational Records Bureau

VII, 518

1969, 1970

None

Fountain Valley Teacher Support System in Mathematics

Not given

Grades K-8

No norms

Richard L. Zweig Associates, Inc.

VIII, 270

1972

1974

Individualized Criterion Referenced Testing: Math

Not given

Grades 1-8, Forms A, B

No norms

Educational Development Corporation

VIII, 275-6

1973

1977

Individual Pupil Monitoring System—Mathematics

Not given
Grades 1-8, Forms S and T
No norms
Riverside Publishing Company
VIII, 274
1973
none

Individual Pupil Monitoring System (Mathematics), Canadian Edition

Adapted from IPMS published by Houghton Mifflin Company
Grades 1-6, Form S
No norms, Criterion referenced
Thomas Nelson and Sons (Canada) Ltd.
VIII, 274
1974
None

Iowa Test of Basic Skills: Test A, Arithmetic Skills

A. N. Hieronymus and H. D. Hoover, eds.
Grades 3-9; Forms 1-4
Norms
Riverside Publishing Company
V, 16; VI, 13
Forms 1 and 2, 1955; forms 3 and 4, 1971
None

Iowa Tests of Basic Skills: Test M, Mathematics Skills

A. N. Hieronymus and H.D. Hoover
Grades 3-9; Forms 5 and 6
Norms
Riverside Publishing Company
Not listed
1971
None

KeyMath Diagnostic Arithmetic Test

Austin J. Connolly, William Nachtman, and E. Milo Pritchett
Preschool through sixth grade, no upper limit for individual remedial use. One form.
Norms; No norms for Metric Supplement
American Guidance Service
VIII, 305
1971
1976

Mastery: An Evaluation Tool, Mathematics

Developed by SRA
Grades K-9
Criterion-referenced, objective-based, machine-scorable, customized, and catalog tests
No norms
Science Research Associates, Inc.
VIII, 278
1974, 1976
None

Mathematics: IOX Objectives-Based Tests

Ira Moskow, Denis Purcell, and Don May
Grades K-9, Forms A, B, Two levels
No norms

Instructional Objectives Exchange

VIII, 279

1973

1976

A Mathematics Test for Grades Four, Five, and Six

Stanley J. Le Jeune

Grades 4-6

Norms

Psychometric Affiliates

VII, 476; VIII, 280

1969

None

Metropolitan Achievement Tests: Primary I and Primary II*

Walter N. Durost, Harold H. Bixler, J. Wayne Wrightstone,

George A. Prescott, and Irving H. Balow

Primary I, grades 1.5-2.4; Primary II, grades 2.5-3.4

Norms

Harcourt Brace Jovanovich

VII, 14

1970

None

*Note: The mathematics test is not available as a separate test.

SRA Achievement Series: Arithmetic Subtest

Louis P. Thorpe, D. Welty Lefever, and Robert A. Naslund

Grades Primary I, Primary II, and 4-9 (multilevel); Forms

E and F

Norms

Science Research Associates, Inc.

VI, 632; VII, 526

Forms E and F: 4-9 (multilevel), Fall 1971; 1-4 (primary),

Fall 1972

Stanford Early School Achievement Test: Levels I and II*

Richard Madden and Eric F. Gardner

Level I, grades K.1-1.1; Level II, grades 1.1-1.8

Norms

Harcourt Brace Jovanovich

VII, 28

1969, 1970

None

*Note: The mathematics test is not available as a separate test

A Test of Arithmetic Principles, Elementary Form

Ronald C. Welch and Charles W. Edwards, Jr.

Grades 3-6

Indiana University

Ronald C. Welch at Indiana University

1965

None

A Test of Understanding of Selected Properties of a Number System*

Robert A. Ashlock and Ronald C. Welch

K-3

Not available

Bureau of Educational Studies and Testing, Indiana University

Ronald Welch at Indiana University

1966

1975

*Out of print. Copy available from: Office of Communications,
School of Education, Indiana University.

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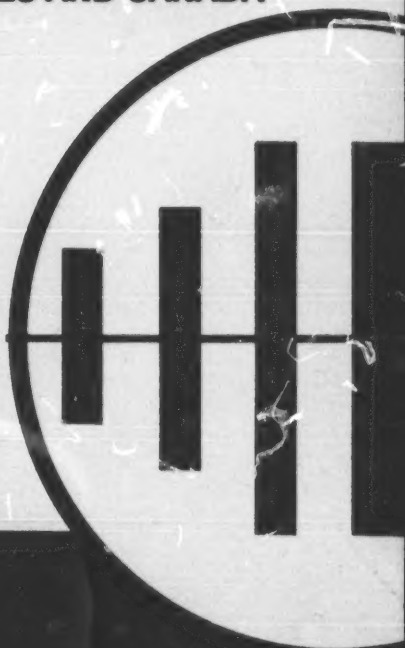
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mathematics tests

AVAILABLE IN THE
UNITED STATES AND CANADA



Tests of Achievement in Basic Skills, TABS-MATH, Level A

James C. Young
Grades 3-4, Forms 1 and 2
Norms
Educational and Industrial Testing Service
Not listed
1973
None

Tests of Achievement in Basic Skills: Mathematics

Robert R. Knapp and James C. Young
Preschool-K, 1-12
No norms
Educational and Industrial Testing Service
VIII, 293
1970
1976

Tests of Achievement in Basic Skills, TABS-MATH, Level B

James C. Young
Grades 4-5; Forms A and B
Norms
Educational and Industrial Testing Service
Not listed
1971
None

Tests of Achievement in Basic Skills, TABS-MATH, Level K

James C. Young
Grade Kindergarten, Forms 1 and 2
Norms
Educational and Industrial Testing Service
Not listed
1974
None

Tests of Achievement in Basic Skills, TABS-MATH, Level 1

James C. Young
Grade 1, Forms 1 and 2
Norms
Educational and Industrial Testing Service
Not listed
1974
None

Tests of Achievement in Basic Skills, TABS-MATH, Level 2

James C. Young
Grade 2, Forms 1 and 2
Norms
Educational and Industrial Testing Service
Not listed
1974
None

Tests of Basic Experiences: Mathematics (TOBE 2)

Margaret H. Moss
Pre-Kindergarten-grade 1, One form, Levels K, L
Norms
California Test Bureau/McGraw-Hill
VII, 33; VIII, 294
1970
1978

Watson Diagnostic Mathematics Test (Computation)

G. Milton Watson

Grades 1-3 (Primary), 4-6 (Junior), 7-10 (Intermediate,
Form A, B, C)

Norms

Book Society of Canada

TIP II, 663

1973

1978

Watson Number Readiness Test

G. Milton Watson

Grades K-1

No norms

Book Society of Canada

V.I. 529

1963

None

Junior High School

Assessment of Skills in Computation (ASC)

Not given

Junior High School

No norms. Competency-based test

California Test Bureau/McGraw-Hill

Not given

1978

None

Cooperative Mathematics Tests: Structure of the Number System

Not given

Grades 7-8; Forms A and B

Norms

Educational Testing Service; Published by Addison-Wesley
Publishing Co.

VI, 655; VII, 466

1962, 1963

None

Diagnostic Test in Mathematics-Level 1

Frances C. Morrison

Grades 8-9, English and French

No norms

Guidance Centre, Toronto, Canada

VIII, 166

1970

None

Emporia Arithmetic Tests, Junior High

Ilelen Engelson and Merritt W. Sanders

Grades 7-8; Forms IA and IB, first semester; Forms IIA and
IIB, second semester

Norms

Emporia State University

VII, 519

1964

None

Everyday Skills Test (EDST)

Not given

Junior High School

Norm-referenced, criterion-referenced

California Test Bureau/McGraw-Hill

Not given

1975

None

Mathematics Test

Gilbert Uimer

Junior high school (grades 7-9)

Norms

Kiverside Publishing Company

VII, 475

1969

None

Minimum Essentials for Modern Mathematics

Ernest Hayes

Grades 6-8; Forms P and Q

Norms

Hayes Educational Test Laboratory

VI, 587

1963

1971

Minnesota High School Achievement Examinations: Mathematics

V. L. Lohmann, ed.

Grades 7-9; three forms, one revised each year

Norms

American Guidance Service

VI, 577, 582

1962, 1963

1970, 1971, 1972

National Achievement Tests: General Mathematics

Harry Eisner

Grades 7-9; Forms A and B

Norms

Psychometric Affiliates

Not listed

1942

1960

Portland Prognostic Tests for Mathematics

Ernest Hayes

Grades 6.5-8.0 and 8.5-9.0; Forms A and B

Norms

Hayes Educational Test Laboratory

VI, 588

1960

1971

Tests of Achievement in Basic Skills (Mathematics)

James C. Young and Robert R. Knapp

Grades 7-9; Forms 1 and 2

Criterion referenced

Educational and Industrial Testing Service

Not listed

1971

None

Tests of Achievement in Basic Skills, TABS-MATH Level C

James C. Young

Grades 7-9; Forms A and B

Norms

Educational and Industrial Testing Service

VII, 492

1971

None

Batteries and General Listings, K-14

American Numerical Test

John J. McCarty

Junior high through college

Norms

Psychometric Affiliates

VI, 604

1962

None

Analysis of Skills: Mathematics (ASK-Mathematics)

Oliver F. Anderhalter and STS staff

Grades 1-8

Form A, Levels 12; 23; 34; 45; 56; 67; 78

Criterion-referenced diagnostic test with local and national norms

Scholastic Testing Service, Inc.

VIII, 251

1974-76

None

Beckmann-Beal Mathematical Competency Test for Enlightened Citizens

Milton Beckmann and Jack L. Beal

Forms A and B

Criterion referenced

Beckmann-Beal Mathematical Testing Service

Not listed

1973

None

California Achievement Tests, Forms C and D

Not given

Grades K-12 (Levels 10-19)

Norms

California Test Bureau/McGraw-Hill

Not given

1977

1978

California Achievement Tests: Mathematics, 1970 Edition

Ernest W. Tiegs and Willis W. Clark

Forms A and B, Levels 1, 2, 3, 4, 5 (grades 1.5-12)

Norms

California Test Bureau/McGraw-Hill

V, 468; VII, 455; VIII, 257

1957

1971

Canadian Tests of Basic Skills, Primary Battery, (Developed from the Iowa Tests of Basic Skills)

A. N. Hieronymus, E. F. Lindquist, and E. M. King

Grades 1.7-3.5, Levels 7 and 8, Form 3 metric

Canadian Norms

Thomas Nelson and Sons (Canada) Ltd.

VII, 11

1976

None

Canadian Tests of Basic Skills, Multilevel Battery, Test M, Mathematics Skills, (Developed from the Iowa Tests of Basic Skills)

A. N. Hieronymus, E. F. Lindquist, and E. M. King

Grades 3-8, Forms 3 and 4, and 3M and 4M (metric)

Canadian Norms

Thomas Nelson and Sons (Canada) Ltd.

VIII, 11

1967, 1974

1976, 3M and 4M

Christofferson-Guller Analytical Survey

H. S. Christofferson and W. S. Guller

Grades 7-12, Form 4

Norms

Bobbs-Merrill Company

V, 457

1955

1957

Comprehensive Testing Program

Committee

Grades K-12, Form A, Levels 1-5

Norms

Educational Records Bureau

Not listed

1974

None

Comprehensive Tests of Basic Skills, Español

Not given

Grades K-8.9 (Levels B, C, 1-3)

Norms

California Test Bureau/McGraw-Hill

Not given

1978

None

Comprehensive Tests of Basic Skills, Forms S and T

Not given

Grades K-12 (Levels A-C, 1-4)

Norms

California Test Bureau/McGraw-Hill

Not given

1973

1975

Cornell Class Reasoning Test

Robert H. Ennis, William L. Gardiner, Richard Morrow,

Dieter Paulus, and Lucille Ringel

Grades 4-12, Form X

In Coop Research Project Report 1680, ERIC ED003818
Illinois Rational Thinking Project, Education Building, University of Illinois, Urbana, Illinois 61801

Not listed

1964

None

Cornell Conditional Reasoning Test

Robert H. Ennis, William L. Gardiner, John Guzzetta, Richard Morrow, Dieter Paulus, and Lucille Ringel

Grades 4-12, Form X

In Coop Research Project Report 1680, ERIC ED003818

Illinois Rational Thinking Project

Not listed

1964

None

Cornell Critical Thinking Test, Level X

Robert H. Ennis and Jason Millman

Grades 7-12

Norms

Illinois Rational Thinking Project

VII, 779

1961

1971

Cornell Critical Thinking Test, Level Z

Robert H. Ennis and Jason Millman

Grades 11-12, College

Norms

Illinois Rational Thinking Project

VII, 779

1961

1971

Diagnostic Screening Test: Math

Thomas D. Gnagey

Grades 1-12. One form

No norms

Facilitation House

VIII, 265

1976

None

Differential Aptitude Tests: Numerical Ability

G. K. Bennett, H. G. Seashore, and A. G. Wesman

Grades 8-12 and adult; One form

Norms, No norms for adults

Psychological Corporation,

VII, 673; VIII, 267

1947

1973

Iowa Tests of Basic Skills Primary Battery, Test M. Mathematics Skills

A. N. Hieronymus and H. D. Hoover

Grades 1.7-3.5; Forms 5 and 6

Norms
Riverside Publishing Company
Not listed
1972
None

Lessons for Self-Instruction (LSI)

Not given
Grades 2.5-9 and above
No norms
California Test Bureau/McGraw-Hill
Not given
1963, 1967
1976, 1978

Mathematics Topic Tests—Elementary Series

Frances C. Morrison and Gerald Halpern
Number and Numeration, grades 5-9; Addition and Subtraction with Whole Numbers, grades 5-8; Operations with Fractions, grades 5-7; Multiplication and Division with Fractions, grades 6-9; Measurement, Graphs, and Geometry, grades 5-8; Operations with Decimals, grades 5-8
No norms
Guidance Centre, Toronto, Canada
VIII, 282
1974, 1978, 1979
None

Metropolitan Achievement Tests: Mathematics Tests

Irving H. Balow, Harold H. Bixler, Walter N. Durost, George F. Prescott, and J. Wayne Wrightstone
Grades 3.5-9.5, Three forms
Norms
Psychological Corporation
VIII, 283
1932
1973

Metropolitan Achievement Tests: Survey Component-Mathematics Test

Irving H. Balow, Roger Furn, Thomas P. Hogan, and George A. Prescott
Primary, grades K.5-1.4; Primary 1, grades 1.5-2.4; Primary 2, grades 2.5-3.4; Elementary, grades 3.5-4.9; Intermediate, grades 5.0-6.9; Advanced 1, grades 7.0-9.9; Forms JI and KI
Norms
Guidance Centre, Toronto, Canada
Not listed
1978
None

1970 Metropolitan Mathematics Tests

Walter N. Durost, Harold H. Bixler, J. Wayne Wrightstone, George A. Prescott, and Irving H. Balow
Elementary, grades 3.5-4.9; Intermediate, grades 5.0-6.9; Advanced, grades 7.0-9.5; Forms F, G, and H
Norms
Harcourt Brace Jovanovich
VII, 14
1970
None

Metropolitan Mathematics Tests

H. H. Bixler, W. N. Buroet, G. H. Hildreth, K. W. Lund, and J. W. Wrightstone

Elementary, grades 3.5-4.9; Intermediate, grades 5-6.9; Advanced, grades 7-8.9; Grades 9-12; Form F, J, H

Norms

Guidance Centre, Toronto, Canada

Not listed

1970

None

Modern Mathematics Supplement to the Iowa Tests of Basic Skills

A. N. Hieronymus and H. D. Hoover

Grades 3-9; 1 Form

Norms

Riverside Publishing Company

VII, 481

1968

None

Objectives Referenced Bank of Items and Tests: Mathematics (O.R.B.T.)

Not given

Grades K-12 and adults

No norms

California Test Bureau/McGraw-Hill

VIII, 287

1975

1978

Peabody Individual Achievement Test: Mathematics Subtest

Lloyd M. Dunn and Frederick C. Markwardt, Jr.

Kindergarten through adult. One form.

Norms

American Guidance Service

VIII, 24

1970

None

Scholastic Testing Service—Diagnostic Skills Battery (DSB); Mathematics

Oliver F. Anderhalter and STS Staff

Grades 1-8, Form A and B

Levels 12, 34, 56 and 78

Criterion-referenced

Scholastic Testing Service, Inc.

Not listed

1976

None

Scholastic Testing Service Educational Development Series: Mathematics

Oliver F. Anderhalter

Grade 2, Forms A and S; grade 3, Forms B, C, and R; grades

4-6, Forms B, C, R, S and T; grades 6-9, Forms B, C, R and

S; grades 9-12; Forms B, C, R, S, and T.

Norms

Scholastic Testing Service, Inc.

V, 484

1963, 1965, 1972

1973, 1975, 1976

1977, 1978, 1979

SRA Achievement Series: Mathematics

Robert A. Naslund, Louis P. Thorpe, and D. Welty Lefever

Grades K-12, Levels A-D (Primary)

Levels D-G (Intermediate/Junior High)

Levels G-H (High School)

Forms 1 and 2

Norms, Spring and Fall

Science Research Associates, Inc.

Not listed

1978

None

1973 Stanford Mathematics Tests

Richard Madden, Eric F. Gardner, Herbert C. Rudman, Bjorn
Karlsen, and Jack C. Merwin

Primary Level I, grades 1.5-2.4; Primary Level II, grades 2.5-3.4;

Primary Level III, grades 3.5-4.4; Intermediate Level I,

grades 4.5-5.4; Intermediate Level II, grades 5.5-6.9; Ad-

vanced, grades 7.0-9.5; Forms A and B

Norms

Harcourt Brace Jovanovich in U.S.; Guidance Centre, Toronto,
Canada

Not listed

1973

None

Stanford Diagnostic Mathematics Test

Leslie S. Beatty, Richard Madden, Eric F. Gardner, and Bjorn
Karlsen

Red level, grades 1.6-4.5; Green level, grades 3.6-6.5; Brown
level, grades 5.6-8.5; Blue level, grades 7.6-13

Norms

Guidance Centre, Toronto, Canada

Not listed

1973

1976

STEP Series II Mathematics Basic Concepts

Not given

Grades 4-14; Forms 4A, 4B; 3A, 3B; 2A, 2B; 1A, 1B

Norms

Educational Testing Service; Published by Addison-Wesley
Publishing Co. (Available U.S. and Canada)

VIII, 28; 290

1956

1972

STEP Series II Mathematics Computation

Not given

Grades 4-12; Forms 4A, 4B; 3A, 3B; 2A, 2B; 1A, 1B

Norms

Educational Testing Service; Published by Addison-Wesley
Publishing Co. (Available U.S. and Canada)

VIII, 28; 290

1969

None

STEP Series III: Mathematics Basic Concepts

Not given

Grades 3.5-12.9; Forms X and Y

Norms

Educational Testing Service; Published by Addison-Wesley
Publishing Co. (Available U.S. and Canada)

Not listed

1979

None

STEP Series III: Mathematics Computation

Not given

Grades 3.5-12.9; Forms X and Y

Norms

Educational Testing Service; Published by Addison-Wesley
Publishing Co. (Available U.S. and Canada)

Not listed

1979

None

Tests of Adult Basic Education (adapted from CAT-57)—

Arithmetic Test

CTB/McGraw-Hill staff

Forms 1 and 2, Levels D (adapted from junior high level of
CA 7), M (from the elementary level), and E (from the upper
primary level)

Norms

California Test Bureau/McGraw-Hill

VII, 60

1967

1976

High School, General

Annual High School Mathematics Examination

Shared by professional association

Secondary, One form per year

No norms

Mathematical Association of America

VIII, 252

1950

New form each year

Basic Skills Assessment: Mathematics

Not given

Grades 8, 9, 12; Forms A, B, C

Norms

Educational Testing Service; Published by Addison-Wesley
Publishing Co.

Not listed

1977, 1978, 1980

None

Cardall Junior Math Reasoning Test

Alfred J. Cardall

Grades 10-12; Forms X and Y

Norms

Cardall Associates

VI, 580

1943

None

Iowa Tests of Educational Development

E. F. Lindquist and Leonard S. Feldt

Test 4, Ability to Do Quantitative Thinking, grades 9-12; Forms
X-4 and Y-4

Norms
Science Research Associates, Inc.
VI, 14 (Total ITED Battery)
1960
(For revised edition, see next entry.)

Iowa Tests of Educational Development
E. F. Lindquist and Leonard S. Feldt
Part 3: Mathematics, grades 9-12; Forms X-5 and Y-5
Norms
Science Research Associates, Inc.
Not listed
1971
None

Minnesota High School Achievement Examination: Advanced Mathematics
V. L. Lohmann, ed.
Three forms, one revised each year
Norms
American Guidance Service
VI, 593
1952
1970, 1971, 1972

NM Consumer Mathematics Test
Not given
Grades 9-12
No norms
Monitor
VIII, 312
1973
None

1973 Stanford Test of Academic Skills*
Eric F. Gardner, Robert Callis, Jack C. Merwin, and Richard Madden
Level I, grades 8-10; Level II, grades 11, 12, and 13; Forms A and B
Norms
Harcourt Brace Jovanovich
Not listed
1973
None

*Note: The mathematics test is not available as a separate test.

STEP Series III: Algebra and Geometry (End-of-Course Tests)
Not given
High school; Forms X and Y
Norms
Educational Testing Service; Published by Addison-Wesley Publishing Co.
Not listed
1979
None

Tests of Achievement in Basic Skills, TABS-MATH, Level D
James C. Young
Grades 10-12, Forms 1 and 2
Norms
Educational and Industrial Testing Service
Not listed
1972
None

Test of Performance in Computational Skills (TOPICS)

Not given
High School
No norms. Competency-based test
California Test Bureau/McGraw-Hill
Not given
1977
1978

Algebra

Algebra Test for Engineering and Science

A. B. Lonski
High school and college
Norms
Psychometric Affiliates
Not listed
1958
1961

Breslich Algebra Survey Test

E. R. Breslich
First and second semesters; Forms A and B
Norms
Bobbs-Merrill Company
II, 1435
1930, 1931
None

Cooperative Mathematics Tests: Algebra I, II, and III

Not given
I, grades 8-9; II, high school; III, high school and college;
Forms A and B at each level
Norms
Educational Testing Service; Published by Addison-Wesley
Publishing Co. (Available U.S. and Canada)
VI, 594; VII, 500, 501
I, II, 1962; III, 1963
None

Emporia State Algebra II Test

Stanley J. Laughlin and Howard P. Schwartz
High school
Criterion-referenced norms
Emporia State University
VIII, 299
1974
None

ERB Modern Elementary Algebra Test

Frederic Bonan et al.
Grades 8-9; Forms L and M
Norms
Educational Records Bureau
VII, 502
1965, 1966
None

ERB Modern Second-Year Algebra Test

Frederic Bonan et al.
High school; Forms X and Y
Norms

Educational Records Bureau

VII, 503

1968, 1969

None

First-Year Algebra Test

Ray Webb and Julius H. Hlavaty

Secondary school

Norms

Psychometric Affiliates

VI, 600

1958

1962

Iowa Algebra Aptitude Test

H. A. Greene and Darrell Sabers

Grade 8, prealgebra

Norms

Bureau of Educational Research and Service, University of Iowa

II, 1441; III, 327; IV, 393; VII, 505

1931, 1942

1967

Kepner Mid-Year Algebra Achievement Test

Henry S. Kepner, Jr., and Darrell Sabers

First-year algebra

Item norms

Bureau of Educational Research and Service, University of Iowa

VII, 506

1969

None

Lankton First-Year Algebra Test

Robert S. Lankton

Grades 8-12; Forms E and F

Norms

Harcourt Brace Jovanovich

IV, 394; V, 451; VII, 507

1950

1965

Lee Test of Algebraic Ability

J. Murray Lee

Grades 7-8

Norms

Bobbs-Merrill Company

II, 1443; VII, 508

1930

1964

Minnesota High School Achievement Examination: Elementary Algebra

V. L. Lohmann, ed.

Three forms, one revised each year

Norms

American Guidance Service

VI, 397; VII, 504

1955, 1963

1970, 1971, 1972

Modern Algebra Test

Gerald S. Hanna
First year high school
Norms
Riverside Publishing Company
VIII, 300
1972
None

Orleans-Hanna Algebra Prognosis Test

Joseph B. Orleans and Gerald S. Hanna
Grades 7-11
Norms
Harcourt Brace Jovanovich
II, 1444; IV, 396; VII, 510
1928 (Orleans only)
1960

Geometry

Cooperative Mathematics Tests: Analytic Geometry

Not given
High school and college; Forms A and B
Norms
Educational Testing Service; Published by Addison-Wesley
Publishing Co. (Available U.S. and Canada)
VI, 643; VII, 532
1963
None

Cooperative Mathematics Tests: Geometry

Not given
High school; Forms A and B
Norms
Educational Testing Service; Published by Addison-Wesley
Publishing Co.
VI, 645; VII, 533
1962, 1963
None

Iowa Geometry Aptitude Test

James Maxey and Darrell Sabers
Grades 9-10, pregeometry
Tentative norms
Bureau of Educational Research and Service, University of
Iowa
II, 1469; III, 360; VII, 537
1931, 1942
1969

Minnesota High School Achievement Examinations: Geometry

V. L. Lohmann, ed.
Three forms, one revised each year
Norms
American Guidance Service
VI, 649; VII, 534
1955
1970, 1971, 1972

Modern Geometry Test

Gerald S. Hanna
Grades 10-12
Norms

Riverside Publishing Company
VIII, 311
1971
None

Plane Geometry

Ray Webb and Julius Hlavaty
Secondary school
Norms
Psychometric Affiliates
VII, 540
1958
None

Solid Geometry

Ray Webb and Julius Hlavaty
Secondary school
Norms
Psychometric Affiliates
VI, 653
1960
None

Trigonometry

Cooperative Mathematics Tests: Trigonometry

Not given
High school and college; Forms A and B
Norms
Educational Testing Service; Published by Addison-Wesley
Publishing Co. (Available U.S. and Canada)
VI, 657; VII, 543
1962, 1963
None

Minnesota High School Achievement Examinations:

Trigonometry

V. L. Lohmann, ed.
High school; three forms, one revised each year
Norms
American Guidance Service
VI, 658
1961
1970, 1971, 1972

Plane Trigonometry

Ray Webb and Julius H. Hlavaty
Secondary school
Norms
Psychometric Affiliates
VI, 656
1960
None

College-Related

**Advanced Placement Program—Calculus AB, Calculus BC
Faculty Committee**

College Level. Examinations offered in May for national
administrations in secondary schools. Most recent form
offered for local administration to college students.

Norms
Educational Testing Service
VI, 570; VII, 451, 662
1954
1981

Arithmetic Test for Prospective Nurses

Thelma Hunt
High school graduates, Form 2
Norms
Center for Psychological Service
IV, 818
1949
None

Cardall Arithmetic Reasoning Test

Alfred J. Cardall
Grades 12-13; Forms A and B
Norms (college freshmen)
Cardall Associates
VI, 617
1947; Manual, 1942
None

Career Planning Program

American College Testing Program Staff
Grades 12-13, Form H
Norms
American College Testing Program
Not listed
1970
1976

CLEP General Examination in Mathematics

Faculty Committee
College credit or exemption; 3 forms
Norms
Educational Testing Service
VIII, 254
1963
1978

CLEP Subject Examination in Calculus, with Elementary Functions

Faculty Committee
College credit or exemption; 2 forms
Norms
Educational Testing Service
Not listed
1977
None (Replaced CLEP Subject Examination in Calculus with Analytic Geometry)

CLEP Subject Examination in College Algebra

Faculty Committee
College credit or exemption; 2 forms
Norms
Educational Testing Service
VII, 498, 664; VIII, 297
1968
1976

CLEP Subject Examination in College Algebra and Trigonometry
Faculty Committee
College credit or exemption; 1 form
Norms
Educational Testing Service
VII, 454, 664; VIII, 256
1968
1976

College-Related

CLEP Subject Examination in Statistics
Faculty Committee
College credit or exemption; 2 forms
Norms
Educational Testing Service
VII, 545, 664
1967
1979

CLEP Subject Examination in Trigonometry
Faculty Committee
College credit or exemption; 2 forms
Norms
Educational Testing Service
VII, 542, 664
1968
1979

Comparative Guidance and Placement
Faculty Committee
Designed for entering junior college students
Norms by modules
Educational Testing Service
VII, 666
1969
1972

Cooperative Mathematics Tests: Calculus
Not given
High school and college; Forms A and B
Norms
Educational Testing Service; Published by Addison-Wesley
Publishing Co. (Available U.S. and Canada)
VI, 654; VII, 531
1963
None

Descriptive Test of Mathematical Skills—Arithmetic*
Faculty Committee
Grades 9-14, Forms A and B
Norms
Educational Testing Service
Not listed
1978
1979

Descriptive Test of Mathematical Skills—Elementary Algebra*
Faculty Committee
Grades 9-14, Forms A and B
Norms

Educational Testing Service

Not listed

1978

1979

Descriptive Test of Mathematical Skills—Intermediate Algebra*

Faculty Committee

Grades 9-14, Forms A and B

Norms

Educational Testing Service

Not listed

1978

1979

Descriptive Test of Mathematical Skills—Functions and Graphs (Pre-Calculus)*

Faculty Committee

Grades 9-14, Forms A and B

Norms

Educational Testing Service

Not listed

1978

1979

*Designed for college placement and guidance. Available to schools and colleges.

Doppelt Mathematical Reasoning Test

J. E. Doppelt

Graduate student and personnel selection (high-level measure of numerical reasoning ability)

Norms

Psychological Corporation

VI, 456; VII, 349

1954

1968

Educational Skills Tests: Mathematics, College Edition

CTB/McGraw-Hill staff

Designed for entering college students

Norms

California Test Bureau/McGraw Hill

VIII, 268

1971

None

Junior College Placement Program

Not given

Entering junior college students

Norms

Science Research Associates, Inc.

VII, 669

1967

1969

1973 Stanford Test of Academic Skills*

Eric F. Gardner, Robert Callis, Jack C. Merwin, and Richard Madden

Level II, College Edition, Grade 12; Forms A and B

Norms

Harcourt Brace Jovanovich

Not listed

1973

None

*Note: The mathematics test is not available as a separate test.

DIRECTORY OF PUBLISHERS/DISTRIBUTORS

- Addison-Wesley Publishing Company, Inc.
South Street
Reading, Massachusetts 01867
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36 Prince Andrew Place
Don Mills, Ontario M3C 2T8
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- American Guidance Service, Inc.
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Circle Pines, Minnesota 55014
- The Bobbs-Merrill Company, Inc.
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Indianapolis, Indiana 46206
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Monterey, California 93940
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- The Center for Psychological Service
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One City Boulevard, West
Suite 935
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San Diego, California 92107
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Tulsa, Oklahoma 74145
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New York, New York 10021

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 1947 Center Street
 Berkeley, California 94704

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 1200 Commercial Street
 Emporia, Kansas 66801

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 Box 611
 Ottawa, Illinois 61350

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 University of Toronto
 1000 Yonge Street
 Toronto, Ontario M4W 2K8

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 757 Third Avenue
 New York, New York 10017

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 7040 North Portsmouth Avenue
 Portland, Oregon 97203

Illinois Rational Thinking Project
 Education Building
 University of Illinois
 Urbana, Illinois 61801

Indiana University
 School of Education
 Education Building
 Bloomington, Indiana 47405

Instructional Objectives Exchange
 Box 24095
 Los Angeles, California 90024

M.A.A. Committee on High School Contests
 University of Nebraska
 Lincoln, Nebraska 68508

Media Research Associates
 1735 23rd Street
 Salem, Oregon 97302

Monitor
 P.O. Box 2337
 Hollywood, California 90028

Thomas Nelson & Sons (Canada) Ltd.
 81 Curlew Drive
 Don Mills, Ontario M3A 2R1

Psychometric Affiliates
 Box 3167
 Munster, Indiana 46321

The Psychological Corporation
 757 Third Avenue
 New York, New York 10017

The Riverside Publishing Company
 1919 South Highland Avenue
 Lombard, Illinois 60148

Scholastic Testing Service, Inc.
480 Meyer Road
Bensenville, Illinois 60106

Science Research Associates, Inc.
155 North Wacker Drive
Chicago, Illinois 60606

Winch (B.L.) & Associates
P.O. Box 1185
Torrance, California 90505

Zweig (Richard L.) Associates, Inc.
20800 Beach Blvd.
Huntington Beach, California 92648

REFERENCES

Test Collection — Educational Testing Service

The Test Collection at Educational Testing Service maintains an extensive file of published and unpublished tests and other assessment devices. Qualified persons, whether affiliated with EST or not, may have on-site access to the materials in the collection. The American Psychological Association's guidelines for access to assessment devices and restrictions requested by individual publishers are observed closely. Those who find it impossible to visit the collection may direct specific questions to the collection by mail, or telephone 609-734-5686.

Address: Test Collection
Educational Testing Service
Princeton, New Jersey 08541

Anastasi, Anne. *Psychological Testing* (Fourth Edition). New York: MacMillan Publishing Company, 1976.

Backer, Thomas E. *A Directory of Information on Tests*. ERIC/TM Report 62. Princeton, N.J.: ERIC Clearinghouse on Tests, Measurement, and Evaluation, 1977. Available from ERIC/TM, Educational Testing Service, Princeton, N.J. 08541 (\$3.00).

Buros, Oscar Krisen, ed. *The Nineteen Thirty-Eight Mental Measurements Yearbook*. New Brunswick, N.J.: Rutgers University Press, 1938.

———. *The Nineteen Forty Mental Measurements Yearbook*. Highland Park, N.J.: The Mental Measurements Yearbook, 1941.

———. *The Third Mental Measurements Yearbook*. New Brunswick, N.J.: Rutgers University Press, 1949.

———. *The Fourth Mental Measurements Yearbook*. Highland Park, N.J.: Gryphon Press, 1953.

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—— **The Sixth Mental Measurements Yearbook.** Highland Park, N.J.: Gryphon Press, 1965.

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—— **Tests in Print II: An Index to Tests, Test Reviews, and the Literature on Specific Tests.** Highland Park, N.J.: Gryphon Press, 1974.

Gronbach, Lee J. "Evaluation for Course Improvement." **Teachers College Record** 64, no. 8, 1963.

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